

Children's Newspaper

Every Wednesday—Threepence

FOUNDED BY ARTHUR MEE

No. 1858, October 30, 1954

BOY BLACKSMITH

Peter brings new enthusiasm to an ancient craft

Peter Joyce, at 16, is proud of being one of the few boy blacksmiths in the country. The village blacksmith is becoming rare, though formerly you could find one in almost every hamlet. In the days of horse transport he was as necessary to farming life as the garage and the tractor repair shop are today. True, some horses remain to be shod and hand-hammered wrought iron is still in demand. But, taken all round, the openings for a local blacksmith seem scarce compared with what they used to be.

ALL this Peter admitted to our correspondent as he worked away in the forge, two centuries old, in the pleasant village of Fen Stanton, near Huntingdon. Yet he would not change his job for worlds.

I found him inside the grimy smithy! More slightly built than you might expect a blacksmith to be, he was quiet, but enthusiastic, about his work. To him blacksmithing is the most important thing in the world, the only sound reason for doing it.



Peter shapes a horseshoe

Ever since he can remember, Peter has wanted to be a blacksmith. He spent hours dreaming of the time when he could shoe horses, bend hot iron into intricate patterns, and weld with the practised ease of a craftsman.

Then two years ago he had his wish and was accepted as an apprentice. He thus became a member of one of the oldest crafts in existence.

Down the centuries, blacksmiths

LION CALLS IN FOR A DRINK

A thirsty lion arrived the other day on the outskirts of the city of Windhoek, in South-West Africa, while Mr. and Mrs. W. G. Nel were having breakfast in their kitchen.

He nosed open the kitchen door and, after a glance at the couple, went up to the sink and lapped up some water. Then he shuffled quietly out again. By the time Mr. and Mrs. Nel regained their composure, Leo was gone.

played an important part in the smooth running of the community. They shod horses, repaired farm implements, made tools and hammered out the iron pots and pans that housewives used in their kitchens.

At one time there were usually two or three forges in a village. Competition was keen, and late into the night sparks flew as these superb craftsmen lustily hammered the iron on their anvils, for they vied with each other in producing the best workmanship.

CHANGING TIMES

Those were the days when horses queued to be shod, when cart wheels by the dozen came in for repair, when a twelve hour working day was usual.

Today, all that is changed. Hours are shorter, competition is less keen, and blacksmiths are fewer. Those who are left are older men, with a lifetime of experience behind them. As they retire, nobody takes their place—and another forge closes down. It is happening all over the country, but Peter is determined that it will not happen at Fen Stanton.

Already he can shoe horses and weld almost like a veteran. His employer, Mr. Victor Humble, says:

"In three years' time Peter should be a sound blacksmith. He shows real promise already." High praise indeed from this skilled craftsman.

HARD WORK—BUT FUN

What's it like being a boy blacksmith? Peter summed it up in one pungent sentence: "It's hard work—but fun!"

It takes a five-year apprenticeship to qualify, and the way is a hard one. But it belies the belief that a blacksmith is all brawn and no brain. Peter has to attend technical school classes, and has spent eight weeks at an instructional college near Oxford.

But already he realises that he will never completely master all there is to know about his ancient craft.

"If I did, there would be no more fun left in the job," he said with a smile.

And Peter has got something there.

Southward bound

The Royal Research Ship John Biscoe is now on its way to the icy wastes of the Antarctic to carry out a survey. With the crew went 18 huskies, and here we see two puppies in the arms of 17-year-old Charles Hayward.



NEAREST GARDEN TO THE NORTH POLE

Bringing blossom to the Arctic desert

Claimed to be the most Northerly botanical garden in the world, the Kola Peninsular branch of the Academy of Sciences of the U.S.S.R. lies 75 miles North of the Arctic Circle. Much important research work is being carried out there, including the transportation and acclimatisation of plants from more southerly regions.

Another important task now in hand at the garden is the afforestation of the Murmansk region with birch and elder trees.

More than 3000 different plants have been tried out at the garden;

and fifty varieties of perennial flowers, 40 kinds of trees and many flowering plants have been found suitable for cultivation in this region.

This botanical garden is situated on the slope of a mountain and so contains several different vegetation belts. At the foot is the vegetation of the taiga or sub-Arctic forest.

Higher up the mountain is the tundra forest of stunted trees and shrubs, the tundra or cold-desert itself, and finally the distinctive Arctic desert, where only mosses and lichens grow

JUST BLARNEY

Matt O'Shea, guide at Cork's world-famous Blarney Castle, held almost 2000 people by their heels this summer so that they could kiss the celebrated Blarney Stone, which can only be reached by bending perilously over the rampart.

Among those who performed the feat this year was a millionaire Diamond King from Connecticut. He had 25,000 postcards showing him kissing the stone printed and posted from Blarney to his friends in America. The stone is reputed to confer the gift of persuasive flattery to whoever kisses it.

It is mostly tourists who do this; the Irish don't need to (writes our correspondent in Dublin).

COMPANIONS OF EMMAUS

Building houses for the homeless

A little French priest with a pointed beard and a merry twinkle in his eyes was recently in London. It was the Abbé Pierre who is tackling the problem of the homeless people of Paris. The Abbé talked to a C.N. correspondent about his new Order, the Companions of Emmaus, named after the village to which Christ walked with his friends.

HANDWRITING AS A FINE ART

The beauties of handwriting when it is cultivated as an art are displayed at the National Book League's London Exhibition, in Praise of Italic. Many lovely books and manuscripts illustrate the fine Italian style developed at the time of the Renaissance, on which our modern handwriting styles were based.

There are also examples of the writing of all the English monarchs from Edward VI to George VI, including a charming letter written as a child by Bonnie Prince Charlie. In another section are some hundred specimens of fine penmanship of today.

The Exhibition is open until December 11 at 7 Albemarle Street; admission for non-members of the League is 3d.

PLAYTIME IN THE NEW LINER

Junior passengers in the new 22,000-ton Cunard liner Ivernia, due to be launched on the Clyde on December 14, will not have a dull moment at sea. If they tire of the excitement of a voyage, they can amuse themselves in the playroom where there are models of cars, aircraft, railway engines, and many kinds of sailing craft. The youngsters are also to have their own miniature cinema.

Rough weather should not be a fun-spoiler in the Ivernia, for she has stabilising fins designed to check rolling in heavy seas. These fins jut out 12 feet on each side of the hull below watermark.

The Ivernia will have a speed of 22 knots, and is to go into service on the Liverpool-Quebec-Montreal route.

FOR A FRIEND

An ideal Christmas present for a friend across the seas—one that lasts for a whole year—can be had for 17s. 4d. For this sum Children's Newspaper will be sent every week for a year to any address overseas.

For 19s. 6d. it will be sent every week to any address in the United Kingdom.

PLEASE send your remittance, together with full name and address (in block capitals) of the friend to whom the C.N. is to be sent, to *Subscription Department, Children's Newspaper, The Fleetway House, Farringdon Street, London, E.C.4*, and we will do the rest.

If desired, a special greetings card bearing your own name and address will be sent with the first copy.

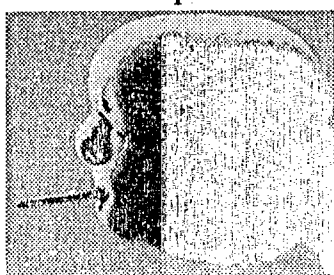
Alone on a raft for 115 days

The thought of a man alone in the great ocean wastes always stirs the imagination.

Some years ago the Frenchman Alain Gerbault astonished the world with solitary voyages round the world in his yacht Firecrest. But much more hazardous was the voyage of a 61-year-old New Yorker named William Willis. For 16 weeks he had been drifting and sailing alone across the Pacific on a raft made of seven balsam logs—the Seven Little Sisters, he calls it.

Mr. Willis set out from Peru on June 22. He carried supplies of fresh water, condensed milk, and

Potato portrait



This potato bearing a striking resemblance to Sir Winston Churchill was dug up recently at Witney, Oxfordshire.

sacks of dried food, with tackle to supply himself with fresh fish. He also had a radio, and when he was seven days out he sent a message saying, "Going ahead, all's well."

From then on nothing was heard of him until he radioed that he was about 30 miles from the Samoan island of Tutuila.

A small ship went out to meet him, and then towed him into harbour at Pago Pago, smiling and in good health. There Mr. Willis was greeted by cheering crowds of many hundreds of islanders, people who know the sea and all its perils, and fully appreciated his amazing feat.

He had been a lone wanderer on the ocean for 115 days. The Seven Little Sisters had carried him for more than 6000 miles across the Pacific.

SOUTH AFRICA'S LONDON WELL

Some of London's water comes from a South African source.

South Africa House, in London's Trafalgar Square, is officially South African territory, and inside the building there is an artesian well which can provide 3000 gallons of water an hour, giving complete independence of any outside supply. The pumping machines have been working without a major breakdown for over 21 years.

Visitors often comment on the excellence of the water and many a tourist fills a bottle to carry home as a souvenir.

A recent analysis states that the water, which is filtered through chalk, is wholesome and pure. It is drawn from the natural reservoir 500 feet below London.

News from Everywhere

INDUSTRY WITH A KICK

Britain is the world's biggest exporter of boots and shoes. Its nearest rival, the United States, exports only half as many.

Some 25,000 trout eggs have been flown from New Zealand to Denmark to stock Danish rivers and lakes. They were packed in trays surrounded by ice.

Norway is still Britain's best foreign customer for ships, with about 30 per cent of all the overseas orders to British shipyards.

NO PLACE LIKE HOME

A cat has made its way 300 miles back to its old home after its owners had moved from Tarbes in the Pyrenees to Chasseneuil in Central France.

Survivors of a U.S. freighter which capsized off Cape Henry, Virginia, not long ago, had to fight off sharks as they clung to floating wreckage and rafts. One of the rescued men kept the sharks at bay by kicking at them.

Portuguese fishermen captured a large pelican near Lisbon carrying a ring inscribed, British Museum, London. Later they let the bird go.

S.O.S. PLATOON

An Australian Army airborne platoon is to be established. It will be ready to fly instantly to disasters such as bush fires and floods.

A Newcastle-upon-Tyne firm has secured a contract worth £500,000 for the supply of 20 specially-designed locomotives for New Zealand. It will provide a year's work.

STOKER'S WARNING

An alarm bell will ring in the Austin Motors Birmingham factory if the chimneys are giving out too much smoke. The alarm is worked by a photo-electric cell at the top of the chimneys.

Herds of elephants have been damaging crops and water supplies in Southern Rhodesia.

A set of four British tractors, the first ever imported by Tibet, are being carried by mules across the Himalayas to Lhasa for the first experiment in mechanising Tibetan farming.

BAN ON SANTA CLAUS

Magistrates at Dundee have refused permission for a local firm to hold a Father Christmas procession through the town on November 20, but have said it may take place on any Saturday in December.

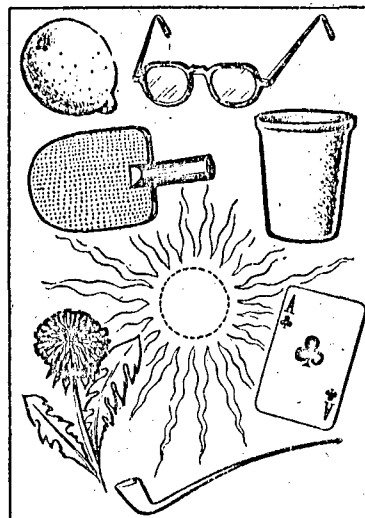
An 1886 Danish car is to be brought out of a museum at Copenhagen to take part in the veterans' run from London to Brighton on November 14.

Great Britain is to spend £866,000 on Canadian apples during the coming year.

The OVALTINE'S own Puzzle Corner

Can you spot the 4 different pairs?

In this puzzle two objects are made of the same material; two begin with the same letter of the alphabet; two are the same colour; and two are used for the same purpose.



DON'T FORGET that it is a golden rule of all Ovaltine's to drink 'Ovaltine' every day. 'Ovaltine' is made from the very best of Nature's foods and it contains important food elements, including vitamins. Remind Mummy to serve this delicious and nourishing beverage with your meals and always drink it at bedtime every night.

EVERY BOY AND GIRL SHOULD JOIN THE LEAGUE OF OVALTINE'S

Members of the League of Ovaltine's have great fun with the secret high-signs, signals and code. You can join the League and obtain your badge and the Official Rule Book (which also contains the words and music of the Ovaltine songs), by sending a label from a tin of 'Ovaltine' with your full name, address and age to: THE CHIEF OVALTINEY (Dept. D), 42 Upper Grosvenor Street, London, W.1.

OVALTINE
The World's Most Popular Food Beverage

Turn this upside down to find the correct answers.

1. Flower pot and clay pipe (Both are made of clay).
2. Sun and spectacles (Both begin with an 'S').
3. Lemon and dandelion (Both are yellow).
4. Table tennis racket and playing card (Both are used for a game).

80 TIMES ROUND THE WORLD

Eighteen years ago a young man who had never been far from his Bombay home set out on a motor-cycle with the idea of travelling round the world. His world tour was never completed. After covering 10,000 miles he reached England, and decided to learn to fly.

When war came he joined the Air Transport Auxiliary as a ferry pilot, and flew 56 different types of aircraft from small fighters to giant bombers.

Now he is Captain N. R. Mucadam, skipper of an Air India International Super Constellation on the "Magic Carpet" service between India and the United Kingdom. He estimates that when he next touches down at London Airport he will have flown a distance equal to 80 times round the world.

This summer Captain Mucadam, whose home is now in Twickenham, has had a chance of seeing even more of the world—Air India has extended its services to Singapore and Hong Kong. Later, these 300-m.p.h. planes will fly on to Tokyo.

HANDY GIRL

When Maureen Chambers, who is 17, moved with her parents to Great Yarmouth she found herself the only Sea Ranger in the town. So she attached herself to the Caister (Norfolk) Sea Cadet Corps, where she does the books and helps the Commanding Officer with his clerical work.

She is very handy with small boats and has just finished painting the ship's lifebelts. She goes to sea with the boys, when they do a sea trip in their ship Progress, and makes the tea in the galley.

WINKLE GATHERER

Mrs. Mary Ann Pennock is 91, but she still gathers pounds and pounds of winkles every day on the beaches at Whitby and sells them to stallholders. She is out in all weathers and is often up to her ankles in water.

LUXURY IN THE LIGHTSHIP

Latest lightship to be built for Trinity House is The Cromer, and she has new features which will be very welcome to the crew who keep their lonely vigil for a month at a time on the sandbanks off Cromer town.

Electric light will supply the whole ship in addition to her warning light at the masthead; there are separate cabins for her crew of seven; and there are refrigerators to keep food in first-class condition.

The Cromer has just arrived at Great Yarmouth, having been towed from her building yard at Dartmouth, Devon, and after her foghorns, lights, and other navigational aids have been tested, she will be provisioned and taken out to her station, 12 miles off Cromer.

SCHOOLBOYS FIND RHODESIA RUINS

Young members of the Rhodesian Schools Exploration Society have discovered three ancient ruins south of the Silowzi Mountain.

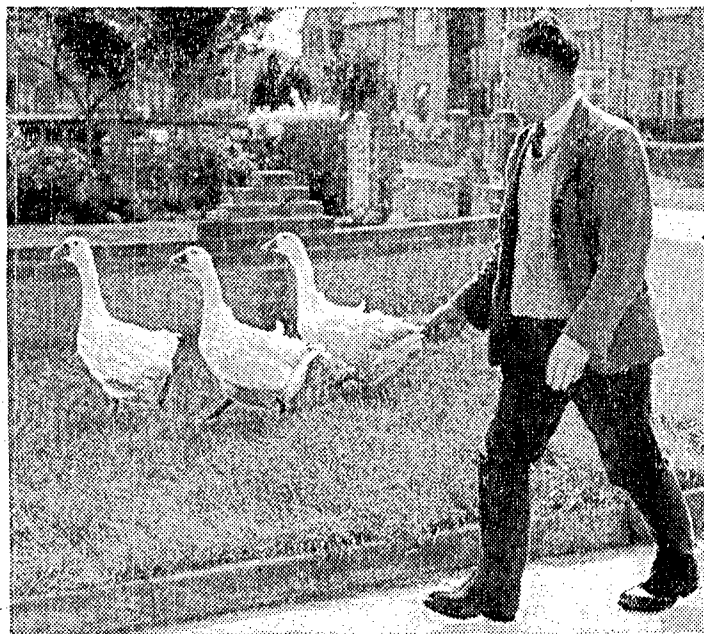
The ruins are enclosed in an area of about 20 by 30 yards, and it is thought that they are of a fort. Archaeologists are following up the boys' discovery with an expedition to examine it.

A centre is now being established for the boys on a farm in the Inyanga district where they will be trained in mountaineering and various sciences.

WORLD'S WETTEST

They certainly need umbrellas at Mawsynram, in Assam. More than 688 inches of rain fell there in the first nine months of this year.

We think Britain is a wet country, but the average rainfall here for a whole year is only 41 inches. Our wettest place in the first nine months of 1954 was Sprinkling Tarn in Cumberland, with 159.8 inches of rain.



Goose-stepping down in Surrey

Mr. Albert Brown of Hamsey Green, near Sanderstead in Surrey, often takes his three geese with him when he goes for a walk. They are most obedient, and will wait patiently while their master stops to talk to a friend. Here we see Sally, Billy, and Joey out for a walk with Mr. Brown.

FLYING WITH A TEST PILOT

How do you fly a jet? How did the Hawker Hunter capture the world speed record? Will test pilots 50 years hence fly at 77,000 miles an hour?

The answers to these questions are to be found in Neville Duke's Book of Flying (Cassell, 9s. 6d.), which also traces the development of aviation in the last 50 years.

In Neville Duke's book you can meet the great test pilots of today; you can view the latest craft; and you can take an imaginary flight-of-the-future to Australia in a rocket-ship.

It is a grand book about planes; packed with pictures.

FIRST ON THE LIST OF GIFTS

It is now only eight weeks to Christmas, and certainly time to think of presents.

Among gifts that are sure of a welcome are The Lion Annual 1955, and the Champion Annual for Boys—both 7s. These finely illustrated books are full of the fun and adventure that every healthy lad likes.

For the girls there is the School Friend Annual (6s. 6d.), equally guaranteed to please.

For all friends who are regular film-goers there is the Super Cinema Annual (7s.), with a wealth of photographs and stories to recapture past pleasures.

BERETS FOR THE SCOUTS

Boy Scouts in New Zealand can now wear berets if they choose.

The felt hats known as lemon-squeezers in New Zealand are too expensive. They cost as much as 35s., and many Scouts and parents cannot afford that. There are about 25,000 Scouts in New Zealand, and the Dominion Chief Scout hopes there will be 50,000 before long—whether in berets or felt hats.

PUPPETS ON PARADE

Many parties of schoolchildren, this week and next, will be flocking to the Puppet Exhibition in London. It is being held at the Royal Hotel, Woburn Place, and will be open until November 6, from 10 a.m. till 10 p.m. every day except Sunday. Admission for adults 2s., children 1s.

It is a grand occasion for all who love the miniature theatre, for there are continuous puppet shows, a fine display of model theatres, scenic designs, competitions, and so on.

A special feature this year is a revival of the Victorian toy theatre known to our grandparents as "Penny Plain, Tuppence Coloured." Sir Winston Churchill, to whom this kind of home-made theatre was a delight in his childhood, has sent a message wishing success to the Exhibition.

OCEAN TAKES BOTTLE TO RIGHT ADDRESS

Some New Zealand soldiers on their way to Korea in August 1951 put their names in a bottle and threw it into the sea about 200 miles north of Darwin, Northern Australia.

Just over three years later one of these men (Mr. Ross Alexander) was on the beach near his home at Waverley, near the city of Wanganui, when he found that selfsame bottle, still containing the paper on which he and his comrades had optimistically written their names.



Little cooks of Great Yarmouth

Great Yarmouth has a new Technical High School with five kitchen units in the Domestic Science centre. Here we see a class in one of the kitchens of the school, which is to be officially opened by the Duke of Edinburgh in December.


FREE!

Great FAMILY offer

by **St. Martin**

CHUNKY

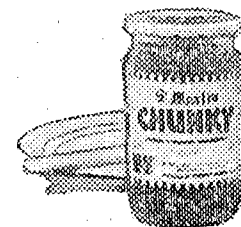
Marmalade!



Don't miss this exciting chance!

HUNDREDS OF PRIZES FOR ALL AGES—EVERY MONTH!

Boys and girls! A free Charlie Chunky Painting Book full of thrilling pictures—and every page can win you a super Prize! You get this lovely Book—and a full colour badge of Charlie Chunky too!—just by asking Mummy to buy a jar of delicious St. Martin CHUNCKY Marmalade, Jam or Mince-meat, tearing off the label and sending it with the coupon below and a 2½d. stamp for postage and packing.



FILL THIS IN NOW and send it with a label from any St. Martin CHUNCKY jar, together with a loose 2½d. stamp for postage and packing, to: ST. MARTIN CONTEST, "Competitors' Journal", 2 Carmelite St., London, E.C.4 (Comp.)

NAME (block letters) _____
ADDRESS _____
TOWN _____
COUNTY _____ AGE _____

MAN WHO SAVED A WINDMILL

Boys and girls of Cross-in-Hand, Sussex, are grateful to "the mystery man" who is saving their windmill, a noted landmark, from neglect. For this famous mill, dragged by a team of oxen nearly six miles from Uckfield to its present site nearly a century ago, has been sadly in need of repair.

Then a "stranger from London"—to quote a villager—noticed it, exclaimed on its beauty and pleaded to pay for its restoration.

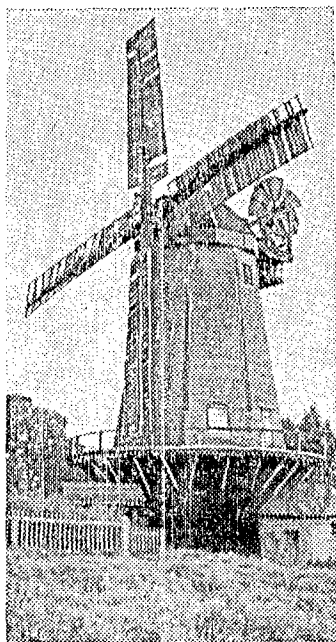
Now Mr. William Pettit, a local craftsman who mastered the art of making mill-sweeps before the First World War, is busy constructing two new ones for this handsome mill. And the mystery man who will pay the bill? He is Mr. R. Hawksley, of North London.

PRESERVATION

His enthusiasm for windmills is shared by many other people. For not a few of the 1500 or so windmills surviving in Britain have recently been saved from decay.

Chailley Common Windmill, now glistening in a coat of white paint into a magnificent landmark in the very centre of Sussex, is now a Scout headquarters. Halnaker Mill at Goodwood, built more than two centuries ago beside the Roman Stane Street in West Sussex, is to be preserved by the County Council. So is High Salvington Mill, Worthing, the oldest postmill in the county still intact.

King's Mill, Shipley, which was



King's Mill at Shipley

bought by Hilaire Belloc in 1909 and is still owned by his family, is another famous West Sussex windmill scheduled for preservation.

Essex County Council owns two windmills and helps to maintain nine others, and the authorities in East Suffolk have preserved three windmills. It is believed that 21 windmills in the country are still working—grinding animal food or, in at least two cases, pumping water.

It happened this week

NEW YORK'S LIBERTY STATUE

OCTOBER 28, 1886. BEDLOE'S ISLAND—A massive statue symbolising Liberty was today publicly dedicated by President Cleveland on Bedloe's Island in New York harbour. It commemorates the 1778 alliance between France and the U.S.A.

The figure is that of a woman holding a burning torch in one hand and a book of law in the other. Broken shackles lie at her feet as she steps forward to enlighten the world.

Claimed to be the highest monumental figure in the world, this great bronze statue weighs 225 tons, is 155 feet high, and stands on a pedestal 135 feet high. Inside the statue is a staircase.

The monument was the work of an Alsatian sculptor, Auguste Bartholdi. It was shipped to New York and re-assembled in its present position.

RALEIGH BEHEADED

OCTOBER 29, 1618. WESTMINSTER—Crying to the reluctant headsman, "Strike, man, strike! What dost thou fear?" Sir Walter Raleigh, soldier, sailor, poet, and historian, was beheaded today before a great crowd in Old Palace Yard.

Fifteen years ago he was tried for treason, sentenced to death, but later imprisoned in the Tower. He was released in 1616, and the following year led an expedition to South America, having promised not to interfere with Spanish settlements. But a clash with the Spaniards was inevitable, and soon after his return to Plymouth last June, he was arrested and again charged with treason.

Early this morning Sir Walter ate a hearty breakfast and smoked a pipe of the tobacco which he introduced to the country. He mounted the scaffold in his richest suit of yellow satin.

As he climbed towards death before the silent crowd, the jangling of bells in the Lord Mayor's procession could be heard from the City of London.

FIRE IN THE TOWER

OCTOBER 30, 1841. LONDON—Over 2000 men vainly fought to save the Great Armoury in the Tower of London which was destroyed by fire today. Fortunately the more historic parts of the Tower escaped irreparable damage.

Nearly 200,000 small arms and many historic trophies were totally destroyed. Damage is estimated at £1,000,000.

As the fire swept towards the Jewel House containing the royal regalia, warders, walking between rows of policemen, soldiers, and firemen, carried the royal crowns and precious jewels to safety.

The fire was caused by overheating in the defective flue of a stove. Unfortunately, there was little water for rescue work; the Thames being at low tide and the Tower ditch dry.

RADIO AND TV

EDUCATED ARCHIE

His schooldays are over

IN their Paris Cinema studio off London's Regent Street the other day the BBC held what the Americans call "a sneak preview"

of the first of a new Archie Andrews series.

The idea of this trial run was to test the reactions of an invited audience. While Peter Brough and Archie tried out new

tricks, the people in the seats were closely watched and their laughs timed. The data gained is being used to build up an entirely new show.

Educating Archie is being put on the shelf. Brough thinks his partner has been educated enough. The revised series, starting on November 11, will be called Archie's the Boy.

When a city goes gay

WHEN a dignified city like

Birmingham goes gay, it does so on a big scale. We can expect a lot of unrehearsed excitement when the TV cameras on Saturday afternoon are turned on the mile-long Carnival Procession organised by students of the University. About 2000 will be taking part; there are 40 floats representing the various faculties, and on one of them rides the Carnival Queen with her two maids of honour.

Last year's event collected nearly £12,000 for Birmingham charities. Each procession—they have been held since 1921—takes a year to arrange.

Tape trickery

TRICKS possible with modern tape recording were well illustrated the other morning when I recorded an interview with Rex Palmer for These Radio Times in the Light Programme.

Immediately after our session, Rex proceeded to "interview"



Rex Palmer

George Elrick, the band-leader and trumpet player. But George's answers had been recorded days earlier; all Rex had to do was to ask the questions, which were recorded and fitted into the appropriate blanks in the steel tape. The pair never met.

Rex Palmer, by the way, was one of the first radio "uncles"

when broadcasting started in 1922 from a top-floor studio in Marconi House, Strand, London. Before then, he told me, he was a test pilot flying flimsy little biplanes at Hendon.

They know the answers

TWO boys and two girls from Essex schools will be heard in Question Time in the Light of Thursday giving answers in public to questions posed to them by a panel of experts on the affairs of the United Nations.

They are Marion Hurt (16), studying English at Hornchurch Grammar School; Valerie Eaton (17), head girl of Romford High School, who wants to be a lawyer; John O'Brien (18), school captain studying German and Russian, and Brian Wren (18), history student, who are both at the Royal Liberty School, Romford.

They are members of the Romford U.N. Youth Forum, and they and their friends will first be putting questions to the much-travelled panel, which includes Rene Cutforth, the well-known broadcaster who recently toured Asia with Danny Kaye to study U.N. work among children.

An American member, Mrs. Grace Bok Holmes, has just returned from the same errand in the Middle East, and Ritchie Calder, the scientific journalist, has been travelling on behalf of the World Health Organisation. We can expect them to have all the answers

Jennings in duplicate

JENNINGS AT SCHOOL deserves a special medal this week. The boys of Linbury Court School return to Children's Hour on Thursday while their six-week Light Programme series is still running, the concluding instalment being next Tuesday, November 2. This means overtime for the cast, who, of course, do each programme "live."

David Davis, who produces the series in both the Home and Light, is pleased with the number of appreciations from evening listeners who, until recently, had not made the acquaintance of Jennings and Darbishire.

Children's Hour is presenting them in a new set of adventures connected with the beginning of term.

Peter Scott in the reptile house

CAMERA cables and cobras may get all mixed up on Saturday evening when TV visits the Reptile House at the London Zoo. Space is so limited, I hear, that a stone statue of a crocodile will have to be moved.

The guide will be Peter Scott, who is a bird-man at heart but is ready to try his hand with the scaly creatures. Viewers will get a glimpse of new arrivals from the Reptile Garden at El Paso, Texas, including two sidewinders (better known as desert rattlesnakes), a Mexican beaded lizard (one of the world's two poisonous lizards), and some spade-footed toads.

ERNEST THOMSON

Children's work is never done...



It's a big job growing up—full-time work. That's why children specially need Haliborange. It contains the extra 'protective' vitamins A, C and D which children must have. So start the family on delicious Haliborange and keep them happy, healthy and strong throughout the winter.

Haliborange

KEEPS THE FAMILY FLOURISHING

The nicest way of taking Halibut Oil

In bottles 3/6 from Chemists only



ABOARD THE WORLD'S BIGGEST CABLE SHIP

Next year Her Majesty's telegraph ship, *Monarch*, largest cable-laying ship in the world, will lay the first submarine telephone cable across the Atlantic. *CN* correspondent Edward Lanchbery visited the ship when she returned from completing the preparatory survey of the Atlantic bed, and was getting ready for an immediate job of cable-laying in the North Sea.

OFF Greenwich, he writes, the 8000-ton *Monarch* lay at anchor in the Thames. Flags at the mast-head signalled: "Pass at reduced speed. Do not approach inshore." Green and red lights also added their warning to shipping that the *Monarch* was loading cable.

Like a never-ending shiny black snake the cable ran out from the wharfside factory through pulleys rigged in mid-air by a cat's-cradle of ropes and hawsers from the shore. Fed into a cylindrical tank, 41 feet in diameter, the cable was coiled around the hub by a ring of men until the tanks were filled with 125,000 cubic feet of cable.

The *Monarch* has four cable tanks, giving her a total capacity of over 2500 nautical miles of deep sea cable. In one voyage, if necessary, she could lay a cable from Britain to America and have plenty to spare.

Direct telephone communication between the New World and the old! For years this has been an engineer's dream.

The first telegraph cable was laid across the Atlantic as far back as 1858, and messages across it were exchanged by Queen Victoria and the President of the United States. That cable was short-lived, but within ten years the laying of a second cable had brought a transatlantic telegraph service here to stay.

CROSS-CHANNEL CABLE

Telegraph cable, which carries morse signals, is not suitable, however, for the transmission of human voice frequencies. A telephone cable was laid across the English Channel in 1891 between St. Margaret's Bay and Sangatte in France; but that was little more than 20 miles.

To send the human voice a hundred times as far—more than 2000 miles across the bed of the Atlantic Ocean—appeared an impossible feat; and for a long time it looked as though wireless—the radio telephone—could be the only means of conversation between Britain and America.

But the engineers refused to admit defeat. They continued to work towards the fulfilment of their dream, and have at last found the solution in the

development of submarine repeaters.

Let into the cable at 38-mile intervals, the repeaters, housed in long metal canisters, do as the name suggests. They pick up the fading voice frequencies and repeat them at full strength as if the caller, instead of sitting at home, were actually speaking inside the repeater at the bottom of mid-Atlantic.

Since she was completed in 1946, the *Monarch*, which carries a crew of 130, has spent much of her time earning Britain foreign currency. It was on her way back from dollar-earning commissions in the Bermudas and in North America, where she laid 4000 tons of cable across the Gulf of the St. Lawrence, that she carried out surveys for next year's supreme undertaking.

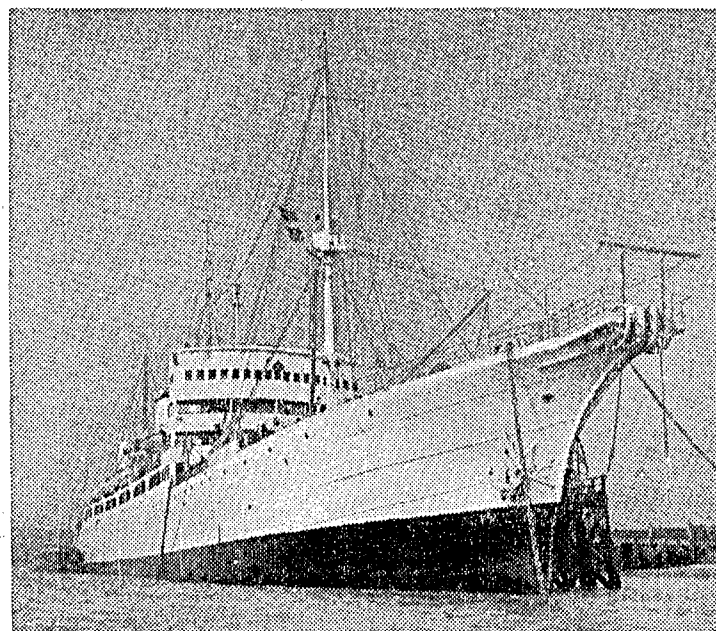
SEA-BED MOUNTAINS

There will be no question of laying the submarine telephone cable in a straight line between Britain and America. Far from being flat, the ocean bed is similar to the earth's surface with hills and valleys, mountains and ravines. Although the aim is to follow as closely as possible a great circle—the shortest distance between two points on a curved surface—detours will often be necessary to avoid extreme irregularities in the ocean bed.

As it is, allowance must be made for the contours of the selected route to make sure that the cable rests evenly on the ocean bed and is not subjected to unnecessary strain and wear by being hooked up on ridges and suspended across hollows.

PIANO-WIRE YARD STICK

This is accomplished by means of ordinary piano wire paid out into the ocean simultaneously with the cable. The piano wire, which is kept taut, shows the exact distance covered. With this as the yardstick, a sufficient percentage of slack to cover the ups and downs of the ocean bed is allowed in the



The *Monarch* rides at anchor at Greenwich. In the bows can be seen the sheaves over which the cable passes to the bed of the sea

amount of cable being paid out.

In good conditions the *Monarch*, which has a normal speed of 14½ knots, can lay seven nautical miles of cable an hour. Echo sounders chart the depth and form of the ocean bed beneath her, and aid the exact navigation that the job demands. Once the position is pinpointed with unquestionable accuracy, a buoy is lowered.

STRANGE ILLUSION

"Start paying out," orders the captain, and the ship moves forward, working from the buoy on a visual bearing and distance calculator which resembles a large telescope. From the cable tanks the cable uncoils and passes round the cable engine drum, and over the bow sheaves to the bottom of the ocean.

Sailors new to a telegraph ship find it a most curious experience to stand on the stage by the sheaves which project in front of the bow, and, looking aft, get the illusion of the ship coming towards them in mid-ocean.

The cable can also be lowered

from the stern. In practice it is laid over the bows in shallow water, and over the stern for deep-sea laying.

In the Atlantic the cable may have to travel three miles or more before it reaches the bottom of the ocean, and an instrument known as a dynamometer is used to keep check on the strain on the cable.

In practice under-water cables call for surprisingly little maintenance and repair. Occasionally a cable may be broken, perhaps by a trawler; and in the South Seas there is a marine pest which has taken to boring into the cables.

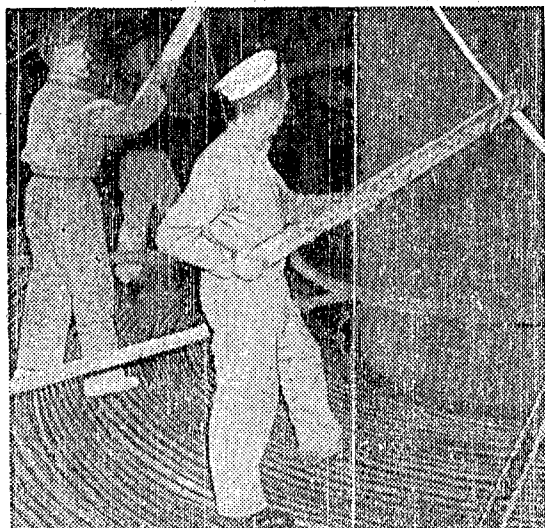
MOTIONLESS DEPTHS

Greatest wear occurs in shallow water in which the bottom is affected by surface movement of waves and swell and may cause dragging and rubbing on the cable. In the depths of the Atlantic, however, the water has no motion at all.

Once laid, the transatlantic telephone cable can be expected to lie undisturbed and give trouble-free service for at least 50 years.



From the bridge comes the order, "Start laying!" A seaman severs the hawser and the cable starts on what may be a three-mile journey to the sea-bed



As the ship moves along seamen in the cable tanks ensure that the cable does not foul during the long process of paying out



From its tank in the hold, the cable passes over a drum fitted with a specially designed brake which controls its descent into the sea



Miles out at sea, a sailor has to make his own enjoyment. And what better way to enjoy yourself at the end of the day's work than to join in a rousing sing-song round the piano

Children's Newspaper

John Carpenter House
Whitefriars, London: E C 4
OCTOBER 30 1954

BETTER THAN EVER

THESE are great days for record-breaking, and certainly Britain's young men and women do not lag behind. We have all been thrilled by the achievements of Bannister and Chataway on the track, Moss in his racing cars, test pilots like Neville Duke and Roland Beamont in jet-planes; and among the girls, Jean Desforges, and Pat Smythe.

These record-breakers have been joined by Hugh Barr of Northern Ireland as world ploughing champion. He was driving not the old-fashioned plough but a motor plough, and the trophy was presented by a petrol company.

Times change and customs alter, but the will to go on doing better remains as strong as ever. When the challenge is there, be sure that our young men and women will also be there to answer it.

HOW TO RAISE MONEY

THIS is a great week for boys' clubs. Thirty thousand members of some 600 clubs are on their mettle, doing their best to raise funds instead of waiting to receive help from others.

And they are doing it in a hundred ways—by doing odd jobs in their spare time, by organising competitions, displays, concerts, jumble sales, and dances. Many of them have voluntarily doubled their own subscriptions.

They have set themselves a target of £20,000, and we have no doubt they will reach it. This is the right spirit, and the complete answer to those who complain that modern youth is "spoon-fed."

Good luck to all these lads in their Club Week!



Under the

PETER PUCK
WANTS TO
KNOW

If neighbours in
households drop in
to see each other

Mum is too often taken for granted. Instead of to the theatre or the pictures.

Fear is the greatest of enemies, says a speaker. We fear he is right.

What do you know about Road Safety?

On which side of the roadway should you walk if there are no footpaths?

How many types of pedestrian crossing are there?

THESE are typical of the 150 questions that boys and girls will be asked at Road Safety quizzes in East Lancashire this winter.

Lancashire Accident Prevention Officers thought of the idea—a Road Safety Quiz League, with eight teams.

Each team will have four members, playing home and away fixtures once a fortnight. Three points will be awarded for an away win, two for a home win, and one for a draw.

There will be spectators, too, for the quizzes are to be open to the public. Parents and friends will be invited to cheer and encourage their team.

It is a splendid idea and we hope to hear of more Road Safety Leagues being run elsewhere on these lines.

(The answers to the two questions at the beginning are:

On the right-hand side of the road, facing oncoming traffic.

Two types—controlled and uncontrolled.)

Thirty Years Ago

From the Children's Newspaper,
November 1, 1924

THERE are very many fin-back whales off the north-west coast of North America, but it has been hardly worth while to pursue them for their oil, and the whale-meat has been thrown away.

But now the whales, after being cut-up, are tinned and shipped to the settlements between Liberia and the Congo in West Africa, and the natives take all that can be sent and eat it greedily.

Ordinarily the West African native lives largely on tasteless mealie-paste done up in leaves, a kind of food which only a West African could digest. It has the appearance of putty. The tinned whale now sent by British Columbia is cheap and highly flavoured.

JUST AN IDEA

Learn a craft when you are young, that you may not have to live by craft when you are old.

Editor's Table

The modern domestic help requires too much attention, complains a housewife. And certainly does not like to be under notice.

If you put too much salt in the soup pour in some milk, advises a correspondent. What if you put in too much milk?

A jazz player says it is marvellous what effect one can get on the drums. Especially the ear drums.

The Editor's Table

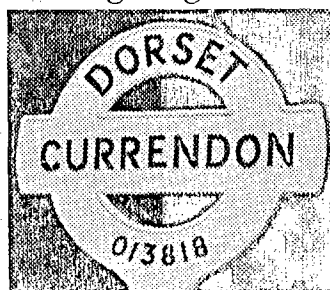
BREATHLESS!

COMMENTING on Chris Chataway's wonderful 5000 metres at the White City, Dr. Roger Bannister said: "I was so exhausted rushing from point to point round the track urging Chris on that I had not a very clear picture of it all..."

It is pleasant to reflect on the fact that this great runner, himself the first to achieve the four-minute mile, felt limp after watching and cheering his friend on to victory and a new world record.

But we all know the feeling. After urging on our own school champions we are often as out-of-breath as they are.

Village signs—23



This sign at Currendon is of the new type going up all over Dorset. Each sign bears a number, giving a village's National Grid reference on Ordnance Survey maps.

Think on These Things

SAUL and the people of Israel were fighting against the Philistines. The latter had a champion called Goliath, a giant in height and very strong. He challenged the armies of Israel to produce a man to fight with him, but no one was willing to come forward.

There was, however, a young lad, David, who had come to visit his brothers in the army of Israel. When he heard the bold challenge of the giant he volunteered to fight him. He was not afraid.

Goliath was an experienced man. David was a mere boy. Goliath had a spear and sword and shield. David had only a sling and a shepherd's bag full of stones. But David had courage, and he won.

He said to the Philistine: "Thou comest to me with a sword, and with a spear, and with a shield: but I come to thee in the name of the Lord of Hosts..."

There are many giants we have to fight in life—idleness, selfishness, cowardice, wickedness. But we need never be afraid. If we trust God, and take courage, we shall conquer. O. R. C.

A FRIEND

Ay, there are some good things in life that fall not away with the rest. And of all best things upon earth, I hold that a faithful friend is the best.

Edward Bulwer, Lord Lytton

94,000 miles of yarn

A WONDERFUL tapestry, measuring 43½ feet by 28½ feet, is being presented to the United Nations by the Belgian people.

Designed by an Antwerp artist, Peter Colfs, and illustrating the themes of Peace, Prosperity, and Equality, the tapestry was made by 14 highly-skilled Flemish weavers on a loom specially built for the job. On an average, each worker added 2½ miles of yarn to the tapestry every hour, and it is reckoned that altogether 94,000 miles of yarn were used.

When the tapestry was displayed at the Brussels Trade Fair the chairman said: "Let us hope that the members of the United Nations are being woven closer together, too."

And so say all of us!

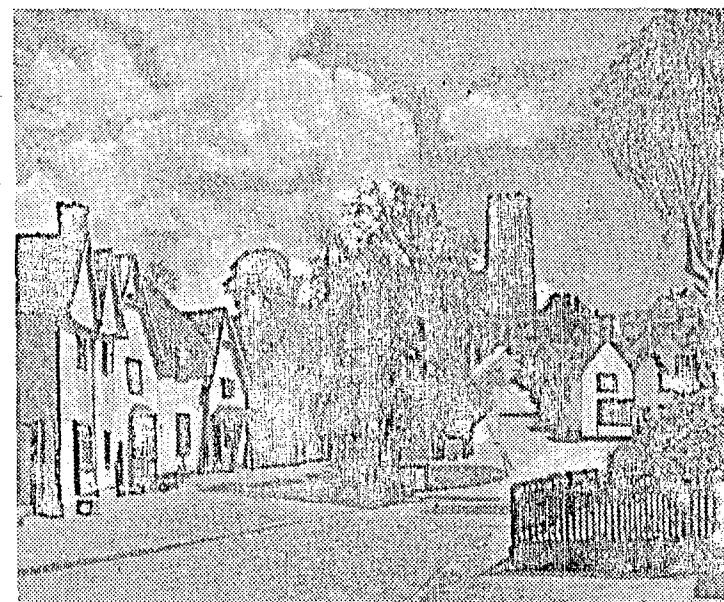
Hallowe'en fun

HALLOWE'EN falls on October 31, and was always associated with parties for young folk. A familiar custom in olden days was the game of "Bob Apple." A tub was filled with water and a number of apples bobbing about in it had to be caught. The players caught them as best they could with their teeth, which meant ducking their heads under water.

Another form of this game was "Snap Apple" in which an apple was hung from the ceiling. Each player in turn stood in front of the apple with hands clasped behind the back, and tried to catch it with his or her teeth. Success depended upon a sudden bite or snap at the apple.

Another version of "Bob Apple" was played by dropping a fork from a height into a tub of floating apples, and the player who speared one was the winner.

Even more exciting was the apple and candle game. A stick was suspended horizontally from the ceiling with an apple fixed at one end and a lighted candle at the other. The stick was then set revolving slowly and each player in turn tried to grab the apple without being singed.



OUR HOMELAND

The Children's Newspaper, October 30, 1954

THEY SAY . . .

IF Government circulars were stretched from end to end of the Atlantic—it would be a good riddance!

Mr. J. P. Macey, Birmingham Housing Manager

WOMEN are generally much more practical than men. New Zealand Commissioner of Transport

ALL universities should be burned down every 25 years lest they get in a rut.

Dr. Robert Maynards Hutchins, of the United States

THE right man in the right job is worth a lot of money. Incidentally, the right man in the wrong job is not too bad, but the wrong man in the wrong job is nearly fatal.

Sir Miles Thomas

ON the road the majority of drivers are amateurs.

Sir Gilmour Jenkins, of the Ministry of Transport

WHY do the British pronounce schedule "shedule" and the Americans "skedule"? The answer I learned in the United States was, "It depends which 'shool' you went to."

Dr. Leslie F. Cooke, Secretary of the Congregational Union

SCOTLAND would be a much happier place if it had a little more of the happy-go-lucky spirit in daily life that you find in Denmark.

Mogens Kay-Larsen, of the Danish Institute

Out and About

THE spiders' gossamer is glistening everywhere in the dewy eve and the early morning sunlight, floating out from trees or dangling from gorse bushes at the edge of the golf course. Many hedges seem positively to shine with it, and should you try to pick a late blackberry the chances are that you will not be able to avoid breaking some of the silken strands.

Blackberries are rarely worth eating as late as this, anyhow. An old country legend says that after October 11 they have been spat on by the Devil. Certainly by now most of them have lost their full flavour. C. D. D.

NEW FILMS

THIS IS CINERAMA

Ride on a switchback while
in your cinema seat

The makers of films have been trying hard in the last few years, writes the CN Film Critic, to find some way of tempting back into the cinemas all the people who have forsaken films for television. Of course, the best way to do this is to make a great number of very good films; but they have also introduced new mechanical devices to make films do what television cannot do.

First came 3-D, the three-dimensional film, which, after the first shock of interest, seems to have lost much of its popular appeal. This is chiefly because people do not want the trouble of wearing special spectacles.

CINEMASCOPE

The next novelty was CinemaScope, with its very wide screen in the proportions of eight to three (the ordinary film screen is four to three). Many cinemas all over the country now have CinemaScope equipment, and more and more films are being specially produced for it.

For more than two years a third system called Cinerama has been in use in the United States, and now at last it can be seen in London.

Cinerama needs much more

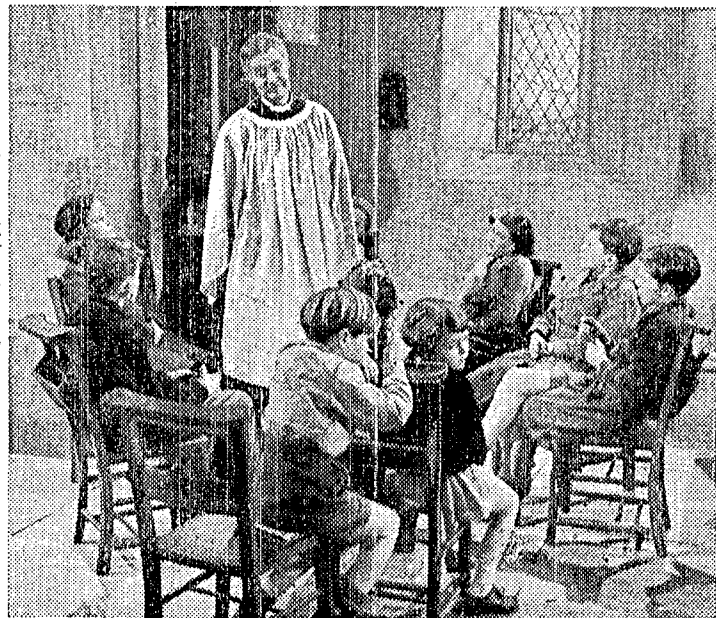
with a sort of illustrated lecture by Lowell Thomas on the history of the film. This shows us, on a screen of the old size, amusing and interesting extracts from famous films, including the jerky and flickering ones of long ago.

Finally the speaker says "This is Cinerama!" and the screen increases to its full size, and we suddenly seem to be riding on a switchback or scenic railway—what the Americans call a roller-coaster. The feeling of actually being on this plunging, swooping ride is very strong, particularly as we hear all the appropriate noises from loudspeakers all round us.

EFFECTIVE SCENES

After this several other short films in colour display the other things Cinerama can do. These include a big stage scene from an opera and a short concert by the Vienna Boys' Choir; but most effective of all are the scenic views, and especially those photographed from an aeroplane on a flight across America.

The pictures which we see here are wonderful, and certainly Cinerama shows them more impressively than such things have ever been shown before.



The Rev. William Thorne (Robert Donat) is not successful with his Sunday School—from the film *Lease of Life*

elaborate machinery than either of the other techniques. The London Casino is the only theatre in Europe equipped for it, and probably it will not be shown anywhere else here for a long time.

Cinerama uses a still wider and bigger—and more curved—screen than CinemaScope, with three film projectors. Each of these shows one third of the picture on one third of the screen, and the trouble at the moment is that the joins between the three parts are noticeable—in fact, the parts do not quite join.

However, this does not prove to be very distracting. The show is called *This is Cinerama* and begins

AMONG the new films for the ordinary-sized screen—those that may come to your local cinema in due course—the one called *Lease of Life* is well worth seeing. It is a very quiet, gentle story about a clergyman in a Yorkshire village.

People who demand excitement from films might not expect to see much in it; but it is excellently acted by Robert Donat, Kay Walsh, and others, so that the characters keep your interest and you want to know what happens to them.

There are several amusing scenes, and the Eastman Colour photography is beautiful.

KEEPING AN EYE ON THE SKY

The most important part of a giant astronomical telescope for the Union of South Africa has been successfully completed in Britain. It is a curved disc of special glass, a foot thick and more than six feet across, and it cost £9000.

When the disc is installed as a 74-inch reflector in the new telescope, it will enable South Africa's astronomers to penetrate space to a distance of 750 million light years.

GIANT REFLECTORS

There are only five bigger reflectors in the world. Four, including the biggest of all, the 200-inch reflector of Mount Palomar, are in the United States. The other is at Greenwich Observatory's new headquarters at Herstmonceux, Sussex.

Four 74-inch reflectors are already in existence—at Toronto; at Helwan, Egypt; at Oxford University's Radcliffe Observatory in Pretoria; and the fourth is now being installed at Canberra.

The new South African 74-inch telescope will be installed south of Hartbeestpoort Dam, near Pretoria.

MASQUE FOR HER MAJESTY

In the days of King Charles I the masque was the traditional students' welcome to the reigning monarch. It has fallen into disuse, but is to be revived when the Queen visits Sheffield on October 27.

The students of Sheffield University are to present a masque on that date before her Majesty and the Duke of Edinburgh in the University quadrangle.

Entitled, *The Birth of Steel*, it is an allegory combining figures of classical mythology and choruses of steelworkers. It has a cast of 60.

The Queen has stated that she wishes to meet the students and be seen by them. So after the performance her Majesty will have tea with them in the Junior Common Room.

TREASURER OF THE PILGRIM FATHERS

A church which has links with the Mayflower, Queen Mary's persecution, a First World War Zeppelin, and a Saxon king, needs £2000 at once to repair its 600-year-old tower. It is the ancient church of Great Burstead in Essex.

In the parish register is the name of Christopher Martin, treasurer of the Pilgrim Fathers when they sailed from Plymouth. The entry records his marriage to Marie Prower. Unhappily they and their servant died of the hardships they endured in the new land of religious liberty within a month or two of reaching it.

An earlier man of conscience in the register was Thomas Watts, a prosperous draper of Burstead, a student of the Bible, and a preacher in Queen Mary's time.

SAYING THANK YOU TO SIR WILLIAM SMITH

CROWNING tribute is being paid this week to the memory of a great Victorian—Sir William Alexander Smith, Founder of the Boys' Brigade. On October 27, the 100th anniversary of his birth, Thanksgiving Services are being held in St. Paul's Cathedral, London, and St. Giles's Cathedral, Edinburgh. On the following Sunday there will be Founder's Day Services in churches throughout the world.

There have been many great Smiths but perhaps none of wider influence than this great Scots Crusader who founded Britain's earliest youth organisation in 1883. Since those small beginnings in Glasgow more than two million boys have proudly served in the Boys' Brigade and have saluted the memory of the Founder.

The story of Sir William Alexander Smith is an inspiring one, and it is well told in a new book by Roger S. Peacock—*Pioneer of Boyhood* (Boys' Brigade, 10s.). Mr. Peacock writes from the heart and he tells his story well.

William Smith was born near Thurso. His father, a business man, had been an officer in the Dragoon Guards, and William himself wanted to be a soldier. As a small boy he got a retired Army sergeant to show him how to drill the other lads in the village. When he was 13, his father died and he went to live with an uncle in Glasgow, joining him in business on leaving school. But he still wanted to do some soldiering and so he joined the Volunteers.

The novel idea of starting a semi-military organisation for boys came to him while he was teaching in a Sunday School attended by rough unruly youngsters. It was one of many Sunday Schools in those days, where, in Mr. Peacock's words, "the less vigorous and agile teachers found little time for their expository duties; they were too fully occupied in defending church property and their own Sunday hats."



Sir William Smith, founder of the Boys' Brigade

It occurred to William that these high-spirited lads would probably respond to drill. He talked it over with friends and it was decided to make a start.

On October 4, 1883, a small crowd of boys waited outside North Woodside Hall in Glasgow. There was excitement in the air. Something new was to be tried, and the more aggressive spirits were doubtless looking forward to

an entertaining evening ragging their Sunday School teachers.

The doors were opened and they surged in. Then a surprising thing happened; Mr. Smith and two other young men started organising them into squads and teaching them to drill as though they were soldiers! Still more surprising, they all liked it! And when they were told they were to have uniforms they were thrilled beyond words.

BRIGADE'S OBJECT

Of course, there was more to it than that. William Smith had thought it all out beforehand—he was a methodical person—and the plan he had made has been the basis of Boys' Brigade work ever since.

His declared object was: The Advancement of Christ's Kingdom among Boys, and the promotion of habits of Reverence, Discipline, Self-respect, and all that tends towards a true Christian manliness.

Another watchword was friendship. His advice to his officers was to try to visit every boy in the Company at his home. "If a boy is laid up, go and see him as often as you can. In every way let them feel that you are always thinking of them."

On such principles grew the great movement which is still going strong—a mighty and happy band of brothers, spreading out across the world.

JET PLANE WITH MOVABLE NOSE

Aircraft designers and engineers waited tensely at the edge of the airfield at Boscombe Down recently while Britain's newest plane was prepared for its maiden take-off.

Suddenly the air was rent by the thunderous roar of a Rolls-Royce Avon turbojet. A few seconds elapsed while test pilot Peter Twiss made a final instrument check, then the sword-nosed Fairey Delta 2 sped down the concrete runway and flashed away into the sky. Twenty-five minutes aloft proved the sleek, silver plane to be airworthy in the best Fairey traditions.

DESIGN FOR TOMORROW

The task of the glinting Delta 2 and the team of test pilots in whose hands it will fly is to provide British designers and engineers with information on the flight and control characteristics of high-flying jets as they hurtle through the sky at nearly twice the speed of sound—a velocity nearly as great as that of a rifle bullet. The information obtained will provide data for the design of tomorrow's supersonic planes.

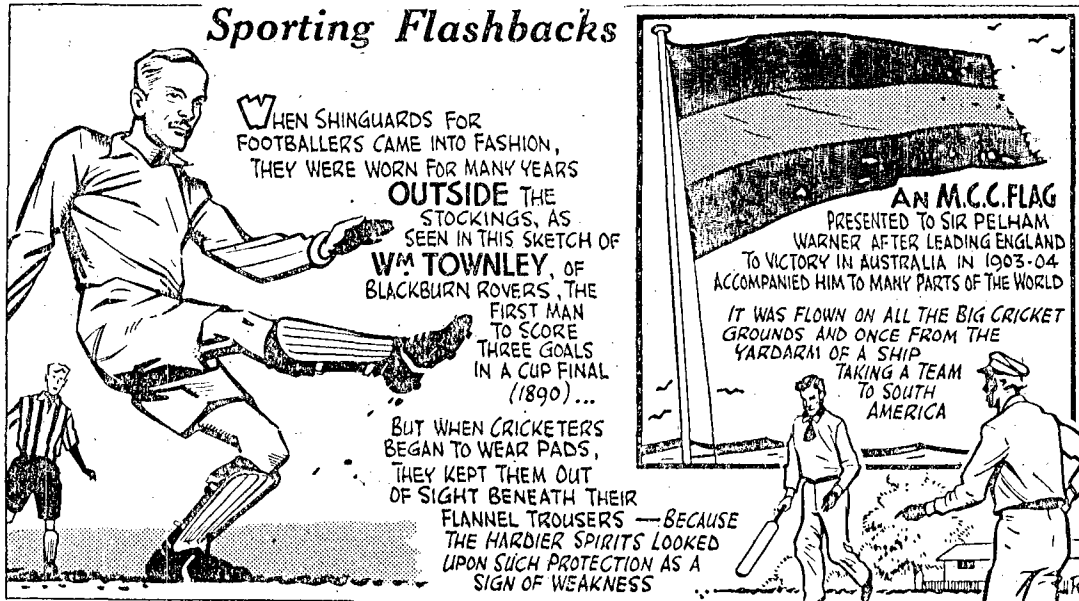
One of the world's largest single-seat Deltas, the new Fairey machine, with its immensely powerful Avon turbojet, will probably prove to be the fastest jet plane yet built.

Two novelties of Delta 2 are its exceptionally thin wings and the adjustable nose section. The whole of the nose can be lowered like a drawbridge, so as to ensure a good forward view for the pilot during landing.

ANTARCTIC LAW

A Bill just introduced into the Australian Parliament will give a system of law and order to a vast area of the Commonwealth's territory in the Antarctic. The Bill affects an area of two million square miles, and among other things will control mineral resources and protect wild life.

Sporting Flashbacks



HEADMISTRESS IN THE HIMALAYAS

After a brief holiday in Scotland Miss Grace Patterson, headmistress of a girls' school at Gangtok, Sikkim, remote independent State of the Himalayan Mountains, has returned to her job.

Surrounded by the highest mountains on earth, the Gangtok Girls' High School is the loftiest in the world. On the right of the school are the mountains of the Bhutan-Tibet border, on the left is the Everest range, and in the middle is the great Kanchanganga. That is how the mountains appear from the window of Miss Patterson's house.

From the railhead of Darjeeling the Sikkim road winds upwards towards the mountains and Tibet, and from the school playground the snow-capped ranges are always in view.

Sikkim itself is a tiny semi-independent state of 2745 square miles, living under the protection of India. It has its own Maharajah, Sir Tashi Namgyal, who is very proud of Miss Patterson's girls' school, which is named Paljor Namgyal, after the Maharajah's son who was killed when flying with the Royal Air Force

over the North-West Frontier. The Princess, his sister, taught for a time in the school.

Eight teachers here speak seven different languages and represent seven nationalities and wear seven different kinds of clothes. Tibetan, Sikkimese, Lepcha, Bengali, Bihari, Hindi, and English are all spoken. Miss Grace Patterson is the only white woman in the city of Gangtok, and she comes from New Zealand.

Many of the girls are from Sherpa families, famous for mountaineering skill. Tenzing, who

PRICELESS APE

Probably the most valuable animal in captivity today is Phil, the gorilla in the zoo at St. Louis, Missouri.

The zoo director, Dr. George P. Vierheller, has declined offers of over £30,000 for him, and says he cannot be bought at any price.

Phil, who is 15, was taken from Africa to America 12 years ago. He weighs a quarter of a ton and consumes about 22 lb. of vegetables every day, as well as two gallons of milk.

climbed Everest with Sir Edmund Hillary, sends his daughters to school in Darjeeling, but his cousin, Dr. Tenzing, has seven daughters in the Gangtok school.

Before the Communist occupation of Tibet the road from Gangtok led there across the passes, and many of the girls went to Lhasa for their holidays if they had relations there. It was possible to speak on the telephone across the mountains to Tibet. At Christmas time the Gangtok girls sang carols by radio-telephone to Tibet and spoke to their parents. All that is now changed.

From the school playground Miss Patterson looks over a green landscape, brightened in summer with ripening oranges. Christianity started in Gangtok by one orange grove farmer ringing every tenth tree on his land and giving the yearly value to the work of the tiny church in Gangtok.

Now that India is independent she has replaced all British officials by Indians, and Miss Patterson remains the sole representative of the white races. But she reports that never before have the mountain tribes been so friendly.

WAGING WAR ON THE INSECTS

Scientists say there are some 10,000 kinds of insect pests in America, and that they cause millions of dollars worth of damage to agriculture.

The unceasing struggle against them is described in the Weekly News Review, an educational paper published in Washington.

Those who fight the pests are encouraged by past triumphs. Among these was the complete wiping out of the Mediterranean fruit fly. This first appeared in the U.S. in 1929 and was destroyed in two years; but the cost was 7½ million dollars.

One of the worst foes of farmers in the U.S. today is the horn fly, which costs dairymen about 100 million dollars a year. Another is the army worm, which gets its name from its habit of moving across fields in vast numbers, devouring any kind of crop in its path. A third pest, the corn earworm, is estimated to do 54 million dollars worth of damage a year.

The experts are confident that they will be able to defeat these scourges. They say that a plane carrying 125 pounds of insecticide can spray 1000 acres in less than 15 minutes, killing 500 million insects.

SCHOOLGIRL'S DOG SAVES HER LIFE

A little dog probably saved the life of a South African schoolgirl, Marie Jordaan, after she had fallen 23 feet from a mountain ledge in Cape Province.

When she failed to return home search was made for her, and it was her brother, Peter, who found her. He heard his sister's dog barking but was unable to find her in the thick underbrush and was beginning to despair when the dog came bounding out and led him back to her.

Marie had broken an ankle and a leg but is now recovering in a Stellenbosch hospital.

ELIZABETHAN SEA-DOG—new picture-story of the adventures of Sir Francis Drake (12)



In Cadiz harbour Drake found many vessels being fitted out for the Armada. Spanish galleys attacked his ships, but were driven off by the English gunners. Before he left, Drake burnt or took some 37 ships, and a great quantity of stores. Sailing north, he destroyed more enemy ships on the coast, then turned to the Azores, where he captured a galleon coming from the East Indies with a fabulously rich cargo.



The daring raid on Cadiz had delayed the sailing of the Armada, and given England more time to organise her defences. But Philip of Spain continued his preparations. He was encouraged by the Pope and had many allies, who considered the coming enterprise as a crusade against heretics. The Duke of Medina Sidonia was appointed Commander of the greatest fleet that had ever set sail, consisting of some 132 ships and 33,000 men.



On July 20, 1588, the Spaniards saw the warning beacon fires burning on the Cornish coast. Sidonia's orders had been to avoid the English fleet and to sail close to the French coast to Calais, where he was to be joined by the Duke of Parma's army. But his officers persuaded him to abandon this plan and to attack the English fleet at Plymouth where, they believed, it was lying unprepared.



Lord Howard of Effingham commanded the English Navy with Drake as Vice-Admiral. Their fleet, though ready, was now in peril at Plymouth—kept in port by the same wind that had brought the enemy north. They dared not risk an attack, led by Spanish fireships, in narrow Plymouth Sound. Inspired by Howard and Drake, the sailors, with magnificent seamanship and discipline, towed their ships out to sea.

One of the decisive battles of world history is about to open. See next week's instalment

Thrilling serial of adventure in Greece

THE ISLAND OF THE GODS

by Geoffrey Trease

Holly Blake and her parents, with John Stevens and his mother, an expert archaeologist, are on their way to seek a lost shrine on the Greek island of Theonesos. In Athens they are stopped by the police.

7. At last—the Island!

"Go to the police station?" cried Mr. Blake in dismay. "But what ever for? Our passports are in order—"

There was a general outcry from the two families.

"We'll miss the boat to Theonesos!"

"There isn't another boat for a whole week!"

"It's some horrible mistake!"

The two policemen looked at the rest of the party in amazement.

"You are with this man?" asked the one who spoke English.

"We certainly are," said Mrs. Blake with dignity.

"I know nothing of ladies and children—it is only the man Blake who is required at the police bureau—"

"The man Blake indeed!" cried Mrs. Blake. She was usually so placid, but now she was boiling with fury. "You may not require the rest of us—but you're going to have us. I'm not being parted from my husband."

"There is not room in the car—"

"Then we'll get a taxi!"

To the police station

"Good idea, darling," said Mr. Blake, who looked much less alarmed than his wife. "This is only some muddle. I'll straighten it out as soon as I can. You follow on with the luggage."

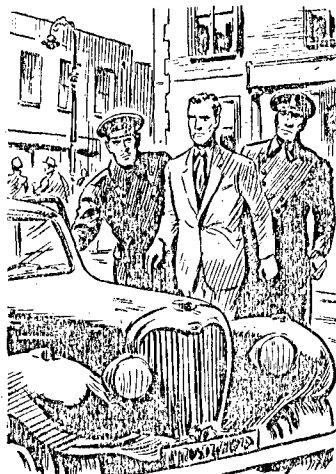
So he went off with the two policemen, and the others got a taxi and drove after them to the police station.

Then followed an agonising hour in a waiting-room. Mr. Blake had vanished into some inner office. They had no idea

what was happening, or what fantastic charge—if any—was being laid against him.

After what seemed an age the door opened and Mr. Blake came in with an important-looking police officer. They all glanced at him anxiously and were relieved to see at once that Mr. Blake was no longer being treated like a suspect. In fact, the officer was full of apologies.

"We are deeply sorry, Mr. Blake, for this waste of your time. I can assure you, if the person



Mr. Blake went off with the two policemen

responsible can be traced, he will be most severely dealt with—"

"That won't help us to get to Theonesos," said the school-master bluntly. "However, I realise it is not your fault. You have your duty to do. Good morning!"

"We've got the taxi waiting," cried Holly, as they all trooped out. "Perhaps there's still a chance of the boat—"

"No, it's gone, I'm afraid. The police were very decent once they knew it was all a mistake—they telephoned to the port, but they were just too late to hold it. No, we must just make the best of it, and have the week in Athens."

As they drove back to the hotel they all plied him with questions. He shook his head with a puzzled expression.

"I'm as much in the dark as anyone," he confessed. "All I know is this: early this morning some unknown person telephoned the police and told them I was a foreign agent—"

"Ridiculous!" cried Mrs. Blake. "I made the police see that," said her husband, "and they're full of apologies. It's a pretty serious charge in Greece nowadays. They had checked the hotel where I was staying—they know where all foreigners are staying, anyhow—and heard I was just leaving. So they told the clerk to keep me waiting until their men could get round. They were a bit taken aback when they found that I was an innocent tourist with all my papers in order, and a whole family-party in tow!"

Sabotage?

"Why did it have to happen just now?" groaned Holly. "If it had been yesterday, we'd have had time to explain and still catch the boat."

"We've been sabotaged," said John.

Holly's father gave him a keen glance. "You know, lad, if I could think of any living soul in Athens with a motive for making us miss the boat, I'd say that was just what happened."

After the disappointment of the first few hours, they all followed Mr. Blake's advice and settled down to enjoy their week in Athens.

So they had a good time, bathing in the warm Aegean Sea and sipping long cold drinks in the open-air cafés, when they were not visiting ruins and museums and domed Byzantine churches. Once they went on a long coach ride through the mountains and stayed a night at the famous shrine of Delphi.

When the day of departure came round again, they all held their breath in case something fresh happened to upset their plans. But there was no further sign from the mysterious person who had telephoned the police on that fateful morning—and the police said, with many apologies, that they had been quite unable to trace the call.

Island steamer

Leaving nothing to chance, the five travellers were down at the port very early, and were the first passengers aboard.

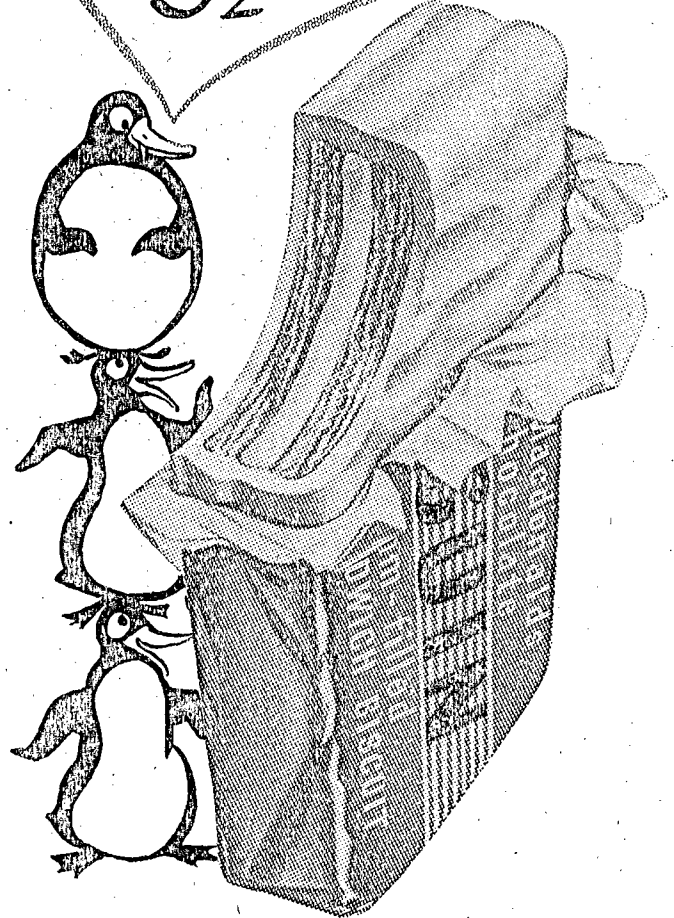
The little island steamer was very different from the ship which had brought them from Venice. The cabin accommodation was rough and ready—or more rough than ready, Mrs. Blake declared, as she chased the steward demanding clean sheets. Most of their fellow-passengers had no cabins at all—they were travelling on the open deck, wedged tightly together with their bundles and even their livestock. Hens were clucking, goats bleating, lambs baaing.

"Is this a ship," John demanded with a laugh, "or a farmyard?"

It was all very good fun during the day, with the sun blazing down from a cloudless sky and the little steamer puffing her way from island to island. But it was not so good during the night, when the

Continued on page 11

biggest milk chocolate treat for 3½d



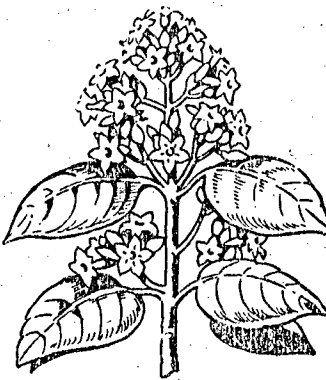
MILK CHOCOLATE
Penguin

FROM MACDONALDS OF GLASGOW · WHO BAKE THE BEST BISCUITS

WHERE DOES IT COME FROM?

Quinine

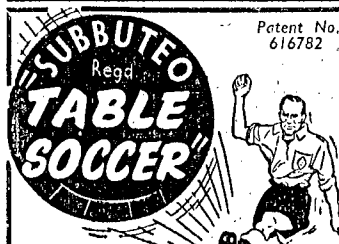
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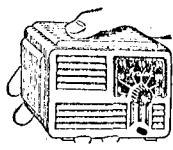
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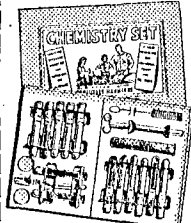
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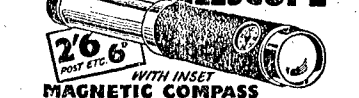
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SPORTS SHORTS

DURING their matches with other women's and girls' teams in Suffolk and Norfolk in the past two seasons, the Beccles Ladies football team have not had a single goal scored against them.

INSTEAD of balls and bats, the members of the Southall Cricket Club, Middlesex, are now welding building materials at weekends. They are preparing a site for their new cricket pitch and pavilion, which will be ready by next August.



Eleven-year-old Muriel Watkins of Plaistow, London, is an expert in roller skating. She holds the International Bronze Medal for figure skating, and the Silver Medal for dancing on roller skates. Here we see Muriel at Forest Gate Roller Rink.

As cool and confident as an international was the verdict on 17-year-old Eddie Trumble when he made his Rugby League debut with Rochdale Hornets the other Saturday. We shall hear a lot more of him.

WEST BROMWICH ALBION field no fewer than eight Soccer teams every week, only three of which are professional.

COUNTY cricket has lost two more of its well-known professionals. Ray Dovey, who has been one of Kent's leading bowlers since 1938, is to become professional and head groundsman at Sherborne School, Dorset; and Frank Vigar, the Essex all-rounder, will next season begin a three-year engagement as professional to the West of Scotland C.C. in Glasgow.

THIS weekend the annual tennis match between the International Clubs of Great Britain and France will take place at Queen's Club, London. Many of the leading players of both countries, together with several specially invited "guest" players, will be competing.

FOR only the second time in history, twins have played for the same Football League side. The first were the brothers Stephens, of Leeds United, in 1941; the second are David and Peter Jackson, 17-year-old twin brothers, who are playing together for Wrexham in the Third Division (Northern Section).

NEW ZEALAND'S population is only about two million, but 50,000 of them play Rugby football. There are 2734 registered teams in the country not counting schoolboy sides.

BRUCE WELLS, the 21-year-old R A F light middleweight boxer, has refused all offers to become a professional and will serve two more years as a P.T. instructor in the R A F. This means he will be able to continue to box as an amateur, and add to his many laurels. It is hoped that he will be available to box for England in the 1956 Olympic Games.

SIXTEEN - YEAR - OLD Kenneth Thompson who keeps goal for Dinnington, a South Yorkshire club, is always willing to listen to the advice of his two brothers, George and Desmond. This is quite understandable, for George and Desmond play in goal for Preston and Burnley respectively.

THE Lord Hawke trophy for the outstanding woman athlete of the year has been awarded to Diane Leather, the first five-minute woman miler.

THELMA HOPKINS, 18-year-old Empire Games and European women's high jump champion, may soon have to look to her laurels. During the summer two very promising young high jumpers came to the fore—16-year-old Jennifer Frazer, of Leicester, who jumped five feet two inches in the Leicestershire Schools Championships; and Mary Philp, aged 15, of Darlington, who won the Northumberland and Durham women's title with a leap of five feet.

THIS weekend the first matches in the Rugby League World Cup tournament will be played when France meet New Zealand in Paris, and Australia and England clash in Lyons.

COMPETITION RESULTS

The Cameras with Flashlight accessories, offered in CN COMPETITION No. 12, have been won by: PETER CRAFT, Headington; D. H. C. DARLING, Billingham; GRAHAM HUDSON, Leeds; TESSA KEUN, Paignton; SUSAN LUNN, Boston; and MARGARET WILCOCK, Settle.

Fountain-pens go to: Michael Coghlan, London, S.W.4; Alec Fisher, Maldon; Robin France, Rotherham; Clive Grant, Salisbury; David James, Ware; Terence Montgomery, Beeston, Nottingham; Adrienne Quainton, Thame; Julia Spurgeon, Church Stretton; Richard Trew, Northampton; and Dorothy Williams, Penzance.

Result: 1 Ceylon; 2 Southern Rhodesia; 3 India; 4 New Zealand; 5 South Africa; 6 Australia; 7 Great Britain; 8 Canada.

Owing to an unfortunate error the correct answer to No. 2 (Southern Rhodesia) was omitted from the list of countries given. Answers substituted by competitors for No. 2 were therefore ignored when entries were examined, and the competition was judged on the remaining seven.

Bertie's GRAND about the house!



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STAMP NEWS

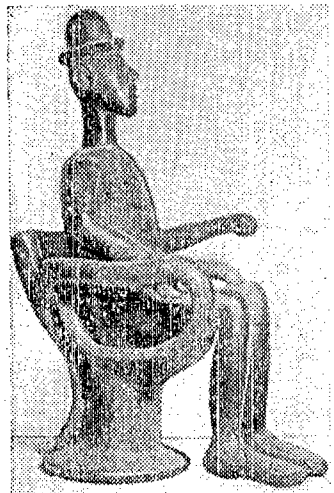
GREECE has issued a set of six which carry as a design remarks made in the House of Commons last July on Enosis (union of Cyprus with Greece). A blob of ink is splashed across the text as an indication of Greek disapproval of British feelings on the subject. The wording can be read with a magnifying glass.

LATEST set to come from Hungary depicts various kinds of fruit. All the stamps, eight in number, are in three colours.

THE Federation of the Rhodesias and Nyasaland are to issue two stamps next year to mark the centenary of the discovery of the Victoria Falls by Livingstone.

CATERING specially for collectors of King George VI and Queen Elizabeth stamps is Stanley Gibbons' 1955 Two Reigns catalogue, 5s. It lists 8308 stamps and contains 1957 illustrations. Every collector of modern British stamps should get a copy.

You're next, sir



At an art exhibition in London, Africans have been presenting their impressions of Europeans. The amusing sculpture in our picture represents a Bowler-hatted Gentleman in a Barber's Chair.

THE ISLAND OF THE GODS

Continued from page 9

weather suddenly took a turn for the worse. The ship rolled and plunged like something in a fun-fair.

John felt very queer when daylight came. But he knew that they were due at Theonisos in an hour or two, so he forced himself to dress. The vessel was still tossing a good deal and he had to cling to the handrail as he made for the deck.

Here a far from cheerful sight met his eyes. Most of the deck passengers had been very sick indeed, and were groaning and moaning. The only good feature was the dark sprawling shape of an island in front, which looked as though it might be Theonisos.

"It is," confirmed Mr. Blake. "But," he added with a gloomy expression, "the steward says we may not be able to land."

"Not land?" echoed John in horror.

"The harbour's too small any-

ZOO NEWS

SNAKES ALIVE!

London schoolboy collects reptiles for Regent's Park

A SMALL collection of European reptiles now settling down at the Zoo reptile house is of unusual interest to young visitors. For these exhibits are a gift from a London schoolboy who caught them all himself during a recent holiday in Switzerland.

The boy is 16-year-old G. W. Locke, of Chelsea, and the scene of his activities was the mountain-side around Lugano. Young Locke certainly went the right way to work. A keen amateur reptile collector, he approached Zoo officials before his holiday, to discover their requirements. Acting on that information, he brought back six black salamanders, two smooth-snakes, and two dark green snakes.

LOCAL EXPERTS

"I should have got more had I had more favourable weather," Locke told officials. "I had no trouble with most of the creatures. I just went out each day with a few tins and other simple equipment, to places where knowledgeable local people told me I should be most likely to find what I wanted."

"I found the six salamanders one evening in very dull weather. They were lying about on rocks at the roadside and were so sluggish that I was able to catch the lot within a few minutes."

The only reptiles to give the young collector any trouble were the two dark green snakes. Both bit him on the hand several times, drawing blood.

A TAME, hand-reared young hare given to the menagerie recently by a New Southgate lady seems likely to make Zoo history. It is the first meat-eating hare known to the Society.

This surprising change of diet

has come about as the result of an unusual friendship. The hare was put on exhibition at the rodent house in a cage already occupied by an agouti (South American member of the guinea-pig family), five tenrecs (Madagascan hedgehogs), and three marmosets.

The hare took scant notice of the marmosets, who spend most of their time on perches aloft. He also ignored the agouti. But the tenrecs interested him greatly. He made friends with them and spent most of his time in their company.

VEGETARIAN MEAT-EATER

Now, as a result of the friendship, he even shares their meals. And the odd thing is this. The tenrecs are meat-eaters, their Zoo rations consisting mainly of minced meat. Yet the hare—normally a vegetable feeder—now joins them "at the table" and eats his full share of the meat!

"Account for it? We just cannot," an official said to me. "But one thing seems certain—the change of diet is in no way hurting the hare, who keeps remarkably healthy and active."

COMMON British wild birds are seldom taken "on the strength" at Regent's Park. There is, however, one exception just now. He is Timothy, a wood pigeon. Timothy is tame, and has become an official Zoo inmate because he was hand-reared, and might well be unable to look after himself if released to join his "wild" companions that fly about the Gardens.

The pigeon, fallen as a chick from its nest during the summer, was "rescued" by a North London boy who took his find to the Zoo office.

NEW HOME

Now Timothy has outgrown the chick stage, and normally might present the Zoo with the problem of finding a home for him. Luckily this is not difficult in this instance.

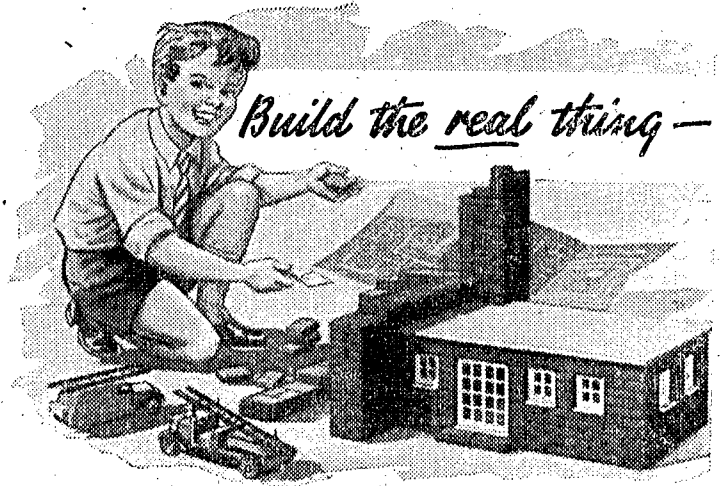
"We have another tame pigeon acquired in very similar circumstances two years ago," an official told me. "It lives in an aviary at the pheasantry, and no doubt Timothy will be glad of his company."

FOR the first time since the war the London Zoo finds itself with a completely clean bill of health, not one of the 3000-odd animals in the Gardens being (at the moment of writing) on the sick list.

"Except for the small outbreak of tuberculosis in the monkey house a few months ago (an outbreak which was happily brought quickly under control), 1954 has been an exceptionally good year from the viewpoint of the animals' health, despite the wet weather," said an official.

Craven Hill

To be continued



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THE BRAN TUB

FOOTNOTE

"HAVE you got crab's legs?" asked the diner.

"No, sir," replied the waiter a little haughtily, "it's my corns which make me walk like this."

NO FLIES

TO say that there are no flies on a person means that he or she is sharp-witted, alert, and not easy to deceive.

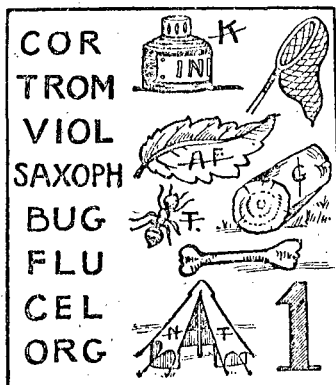
A person who is wide awake will not give the appearance of sloth and indolence. And as flies are not in the habit of coming to rest on moving objects, it is unlikely that they would be interested in alert, quick-moving people.

In the same way, such a person is often described as "fly."

MAKING MUSIC

BY adding the letters in the objects to those given, you can form the names of eight musical instruments.

Answer in column 5



BEDTIME TALE

SURPRISE FOR BILLY

BILLY went across the road to ask Jean to come out to play in the park.

Jean's mother answered the door. "Come in, Billy," she said. "I'm just helping Jean with her knitting."

Jean was sitting in an armchair, her tongue sticking out of the corner of her mouth as the knitting needles went very slowly in and out.

"What's it supposed to be?" said Billy as Jean plodded on with her square of wool.

"It's a scarf—or it will be when it's finished," said Jean.

"That'll be years at the rate

you're going," laughed Billy. "I think knitting is silly. Fancy sitting here when you could be playing in the park."

Jean did not answer but went on slowly knitting away.

Billy forgot all about the knitting until a few weeks later when Jean came to his house.

"Happy birthday, Billy," she said. "Here's a present for you."

Billy unwrapped the parcel—and there was a beautiful scarf, the same one that Jean had been struggling with a few weeks earlier.

"Now do you think that knitting is silly?" she said with a mischievous grin.

JUST A TABLE LAID FOR TWO



Tibbles lost her kittens, so she brought home a young squirrel. The two have become friends, and here we see them at the home of Tibbles' owner, Mrs. Hollies of Shirehampton.

JACKO MISSES HIS STEP AND GETS THAT SINKING FEELING



WHAT...

... part of speech is "no" with two bits of fun added to it?

NON

PYRAMID PUZZLE

Can you build a pyramid of words with answers to the clues below? After the first, each line contains the same letters as the line before, though not necessarily in the same order, and each new line has one new letter added.

INITIAL letter of South America's longest river
The Gunners
Unpopular rodent
Male deer
Organ which keeps the blood circulating
Menace
Playhouse

Answer in column 5

IRISH

AN Irishman who saw a pair of rubber gloves for sale exclaimed: "Indade, now. We shall be able to wash our hands and never wet them at all."

SAVED

JOHNNY had gone fishing, but the bank was so slippery that before long he found himself in the water. Luckily another angler soon hauled him out.

"Thank you, sir," gasped Johnny, "I'd have got into awful trouble if I'd gone home drowned."

Crossword Puzzle

READING ACROSS. 1 Finished. 9 Leave out. 10 Angel. 11 Add. 13 Hill. 15 Lubricate. 17 Hanging ornament. 20 Tonic sol-fa note. 21 Snake-like fish. 22 Early English. 24 Responsibility. 26 On Her Majesty's Service. 28 Pebble. 29 What one owes. 30 Jealousy.

READING DOWN. 1 Charge. 2 Order of Merit. 3 A bishop wears one. 4 Please Turn Over. 5 Age. 6 Bird's claw. 7 For example. 8 Valley. 12 Rise and fall of sea. 14 Ajar. 16 Article. 18 Birds' homes. 19 Unaccompanied. 20 Similar to a frog. 23 Catch sight of. 25 Employ. 27 Domestic fowl.

Answer next week

OUT OF PLACE

WHICH of these items is out of place?

BEE, FLY, WASP, SPIDER, GNAT.

Spider, because it is the only one which cannot fly.

OTHER WORLDS

IN the evening Jupiter is low in the east and Mars is low in the south-west. In the morning Mercury is in the south-east. The picture shows the Moon as it will appear at five o'clock on Friday evening, October 29.



ALPHABET PUZZLE

The answers to the following questions all begin with the letter C.

You can keep china in this. It is also the very important part of a government

Some kinds of telegram are called this

Very prickly plants from the desert; but they can be found in the house, too

Sandhurst is one place in which to find these young men

Chief constituent of shells and bones

To talk freely with a friend

Great ship-building centre in Scotland

Answer in column 5

SOCCERGRAM

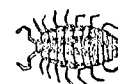
In the following paragraph, the words printed in *italic letters* can be rearranged to form the name of a famous Scottish football club.

"Now it *sags* everywhere," complained Pat, with a glare at his brother. "Must have done something *wrong* somewhere," grinned Tim, regarding the tent with amusement.

Answer at foot of column

SPOT THE...

WOOD-LOUSE with his flattened, oval-shaped, bluish-grey body. These odd little creatures are of nocturnal habits. Should you lift a sunken plank or stone you will



usually see several scurrying away. On rough ground they often tumble on to their backs, their 14 legs waving feebly in the air as they try to right themselves. But one variety, the Armadillidium, is able to roll into a ball, and avoids such a difficulty.

There are about 24 species of wood-louse in the British Isles—the most common being Porcellio scaber.

Wood-lice do a great deal of damage to seedlings and ferns, but as they also eat decaying vegetation they partly atone for their crimes.

BRAN TUB ANSWERS

Pyramid puzzle. Making music. Cornet: A. RA. B. RAT. C. CABINET. D. CACTUS. E. CADET. F. CALCIUM. G. CONVERSE. H. CLYDEBANK. I. SOCCERGRAM. J. GLASGOW. K. RANGERS.



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